

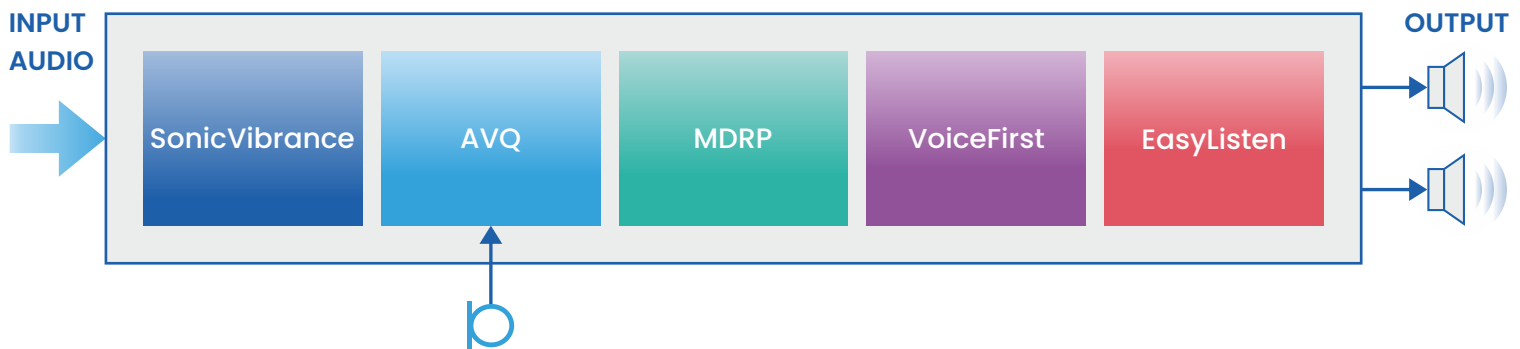


# AEP

## AUDIO ENHANCEMENT PACKAGE



### Augmenting Audio Experience



**SonicVibrance™:** Improving the perceived quality by optimizing the stereo image for a device, adapting the frequency content to the user's preferences and boosting the bass without overloading the speakers.

**Automatic Volume and Equalization control (AVQ):** Adjusts and boosts audio content frequencies based on ambient noise level and spectrum to ensure consistent volume and intelligibility in varying noise conditions.

**Multichannel Dynamic Range Processor (MDRP):** Dynamically processes individual frequency sub-bands and the entire audio signal to compensate for hearing loss, implement hearing protection, increase the perceptible volume of the signal and reduce speaker distortion.

**VoiceFirst™:** Improves dialog clarity, reduces listener fatigue and increases user satisfaction with audiovisual content by suppressing background noise and music.

**EasyListen™:** Dynamically slows down incoming speech for increased intelligibility. It is language-independent and works equally well in Western and Eastern languages.

For enhancing the sound of mobile phones, TWS and headphones, automotive audio systems, Bluetooth® speakers, PC/tablets, and television.

Available on a variety of DSP/MCU cores.



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**DSP SOFTWARE TECHNOLOGIES  
FOR VOICE-AUDIO-HEARING**